

CORRECTED VERSION

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
10 June 2004 (10.06.2004)

PCT

(10) International Publication Number
WO 2004/049071 A1

(51) International Patent Classification⁷: G03F 7/029,
B41C 1/10, B41M 5/40

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:
PCT/EP2003/013431

(22) International Filing Date:
28 November 2003 (28.11.2003)

(84) Designated States (*regional*): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
102 55 667.9 28 November 2002 (28.11.2002) DE

Published:

— with international search report

(71) Applicant (*for all designated States except US*): **KODAK POLYCHROME GRAPHICS GMBH [DE/DE]**; An der Bahn 80, 37520 Osterode/Harz (DE).

(48) Date of publication of this corrected version:

2 June 2005

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **KOTTMAIR, Eduard** [DE/DE]; Fischerschlossstrasse 6 B, 82067 Ebenhausen (DE). **BAUMANN, Harald** [DE/DE]; Obere Herrenstalstr. 12, 37520 Osterode/Harz (DE). **FLUGEL, Michael** [DE/DE]; Ringstrasse 15, 37520 Osterode/Harz (DE). **DWARS, Udo** [—/—]; Knollenstrasse 33, 37412 Herzberg/Harz (DE).

(15) Information about Correction:

see PCT Gazette No. 22/2005 of 2 June 2005, Section II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(74) Agent: **VOSSIUS & PARTNER**; Siebertstrasse 4, 81675 Munich (DE).

(54) Title: RADIATION-SENSITIVE ELEMENTS AND THEIR STORAGE STABILITY

(57) Abstract: Radiation-sensitive element comprising (a) a substrate with at least one hydrophilic surface and (b) a radiation-sensitive coating on at least one hydrophilic surface of the substrate, wherein the coating comprises: (i) at least one free-radical polymerizable monomer and/or oligomer and/or polymer with at least one ethylenically unsaturated group each, (ii) at least one absorber selected from photoinitiators and sensitizers, which is capable of absorbing radiation of a wavelength in the range of 250 to 1,200 nm and (iii) at least one stabilizer comprising in its molecule at least one group capable of inhibiting free-radical polymerization, and at least one other group capable of sorption at the hydrophilic surface of the substrate.

WO 2004/049071 A1